Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/01/2017 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124992	-1	2.45	124834	2.48
Blue	F	SSC	125000	125308	0	2.85	125716	2.70
Blue	E	FITC	23355	22847	-3	2.48	1014	10.39
Blue	D	PE	28848	28349	-2	2.04	1018	9.57
Blue	B	PerCP-Cy5-5	47791	47495	-1	3.36	1362	16.80
Blue	A	PE-Cy7	41358	41315	-1	4.94	637	35.89
Red	C	APC	51316	50801	-2	2.76	2950	9.18
Red	A	APC-Cy7	53225	52885	-1	2.76	1100	11.20
Violet	B	V450	14473	13850	-5	3.41	670	8.90
Violet	A	V500	59973	59016	-2	3.14	2617	6.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17290	7.68	606	8	N/A	N/A	Pass
Blue	F	SSC	61847	1.65	541	7	N/A	N/A	Pass
Blue	E	FITC	116	39.20	544	0	0.0204	195	Pass
Blue	D	PE	225	29.12	538	0	0.1788	303	Pass
Blue	B	PerCP-Cy5-5	216	45.12	631	1	0.0103	130	Pass
Blue	A	PE-Cy7	69	122.60	683	2	0.0117	20	Pass
Red	C	APC	345	27.14	590	-4	0.0218	101	Pass
Red	A	APC-Cy7	120	40.30	571	-5	0.0055	1599	Pass
Violet	B	V450	81	43.43	477	6	0.0445	2040	Pass
Violet	A	V500	191	22.27	509	8	0.0127	69	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-30.98	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.93	13.27 - 19.91	N/A	N/A	31.01	31.52	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11096

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments